

–3. (Amended) A storage device available for increasing storage capacity according to claim 1, wherein said storage device has a first data cache electrically connected to said system interface, said microprocessor, said data compression module and said data decompression module.

4. (Amended) A storage device available for increasing storage capacity according to claim 1, wherein said controller has a second data cache electrically connected to said memory interface, said microprocessor, said data compression module and said data decompression module.

5. (Amended) A storage device available for increasing storage capacity according to claim 1, wherein said data compression module and said data decompression module are in said controller.

6. (New) A storage device available for increasing storage capacity according to claim 2, wherein said storage device has a first data cache electrically connected to said system interface, said microprocessor, said data compression module and said data decompression module.

7. (New) A storage device available for increasing storage capacity according to claim 2, wherein said controller has a second data cache electrically connected to said memory interface, said microprocessor, said data compression module and said data decompression module.

8. (New) A storage device available for increasing storage capacity according to claim 2, wherein said data compression module and said data decompression module are in said controller.--